

\*\*  
 Serca 1 -----MEAAHKSSTEECLAYFGVSETTGLT  
 Sheep-Na, K 1 GRDKYEPAAVSEHGDK--KKAKKERDMDLKKVSMDD-HKLSLDELHRKYGTDLNRGLT

\*.  
 Serca 26 PDQVKRHLEKYGHNELPAEEGKSLWELVIEQFEDLLVRLLLAACISFV---LAWFEEGE  
 Sheep-Na, K 58 TARAAEILARDGPNALTPPTTPEWVKFCROLFGGFSMLWIGAVLCFLAYGHQAATEEE

\* \* A  
 Serca 83 ETITAFVEPFVILLILLANAIIVGVWQERNAENAEALKEYEPEMCKVYRADRKSVQRIKA  
 Sheep-Na, K 118 PQNDNLYLGVLSAVVITTCFSYQOEAKSSKIMESFKNMVPOQALVI--RNGEKMSINA

A  
 Serca 143 RDIIVPGDIVEVAVGDKVPADIRILS IKSTTLRVDQSILTGESVSVIKHTEPVPDPRAVNO  
 Sheep-Na, K 176 EEWVVGDIIVEVKGDRIPADIRILS--ANGCKVDNSSLTGESQTRSPDFTNEN---PL

\*  
 Serca 203 DKKNMLFSGTNIAAGKALGIVATTCGVSTELGKIRDMQAATEQDKTLPLOQKLDEFGEQLSK  
 Sheep-Na, K 231 ETRNIAEFSTNCVEGTARGIVVYTCDRIVMGRIATLASGLEGGQTPAAELE-----HF

\* B  
 Serca 263 VISLICVAVWLINIGHFNDFVHGGSWIRGATMYFKIAVALAVAAPEGLPAVITTCIALG  
 Sheep-Na, K 285 IHIITGVAVELGVSFILSLILEYEWLEAVIELIGHI----VANVPEGLLATVIVCILT

B  
 Serca 323 TRMAKKNALVRSLSVETLGTSTVICSDKTGTLTINQMSVCKMFIIDKVDGDFCSLNEF  
 Sheep-Na, K 341 AKRMARKNCIVKNLEAVETLGTSTVICSDKTGTLTQNRMTIVAHMWFNDQIHEADTTENQS

\*  
 Serca 383 SITGSTYAPEGEVLKNDKPIRSQFQDGLVEHATICALCNDSSLDFFNETKGVYEKVGGEATE  
 Sheep-Na, K 401 GVSFDKTSATWL-----ALSRIAGLCNRAVFQANQDNLPIPKRAVAGDASE

\* \* \*  
 Serca 443 TALTTLVKMNVFNTTEVRNLSKVERANACNSVIRQLMKKEFTLEFSRDRKSM SVYCSPAK  
 Sheep-Na, K 447 SALLKCLEVC-----CGSVKEMRERYAKIVEIPFNSTNKYQLSIHKNNAN

\* \*  
 Serca 503 SSRAAVGNKMFVKGAPGVADRNCYVRVGTTRVPMTGVPVKEKILSVIKEWG--TGRDTRLR  
 Sheep-Na, K 491 AGEF--RHLLVMKGAPERILDRCSILIHGKEOPLDEELKDAFQAYLELGGLGERVLGF

Serca 561 CLALATRDTPPKREEMVLDDSSRFMEYETDLTFVGVVGMIDPPRKEVMGSIQLCRDAGIR  
 Sheep-Na, K 549 CHLMPLDEQFPEGFQFDTDD---VNFVVDNLCFVGLISMIDPPRAAVPDAVGKCRSAGIK

\* \*  
 Serca 621 VIMITGDNKGTAIATCRRIGIFGENEEVAD-----RAYTGREFDD  
 Sheep-Na, K 606 VIMITGDHPI TAKAIAGVGII SEGNETVEDIAARLNI PVSQVNPRDARACVHGSIDLKD

\* \*  
 Serca 661 LPLAEQREA--CRRACCFARVEPSHKSKIVEYLOS YDEITATIGDGVNDAPALKKAEIGI  
 Sheep-Na, K 666 MTPEQLDILKYHTEIVFARTSPQKLIIVEGCORQGAIVANTIGDGVNDSPALKKADIGV

\*  
 Serca 719 AMGSC-TAVAKTASEMMLADDNFSIIVAVEEGRAIKNNKQFIRYLLSSNVEVVCIFL

Sheep-Na, K 726 AMGIAGSDVSKQAAQMLLDDNFASIVTQVEEGRLLFDNKKSTAYTLTSNIPETTPFLI

C

Serca 778 TAALGHEPALIPVQLLWNLVBDGHPATALGENPPDLDIMDRPPRSPKEPLISGWLFFRY

Sheep-Na, K 786 FIIANHPLPLGTVTILLCHDLGTDMPAISLAHQAFSDIMKROPNPQTDKLVNERLISM

D

Serca 838 MAIGGYVGAATVGAANWFMVAEDCPGVT-----YHQLTHFMQCTEDHHPHFEGLDCEI

Sheep-Na, K 846 AYGQIGMIQALGGFFTYEVMMAENGFLPNHLLGIRVTWDDRWINDVEDSYGQQWTYBQRK

D

Serca 891 FEAPEPMTMALSVIVTTEMCNALNSISENOSIMRMPPWVNIWLLGSLCLSMSEHFLILYV

Sheep-Na, K 906 IVEFTCHIAFFVSHVVVQWADLWICKIRRNVSIFQGM-KNKILIFGLFEETALAAFLSYC

D E

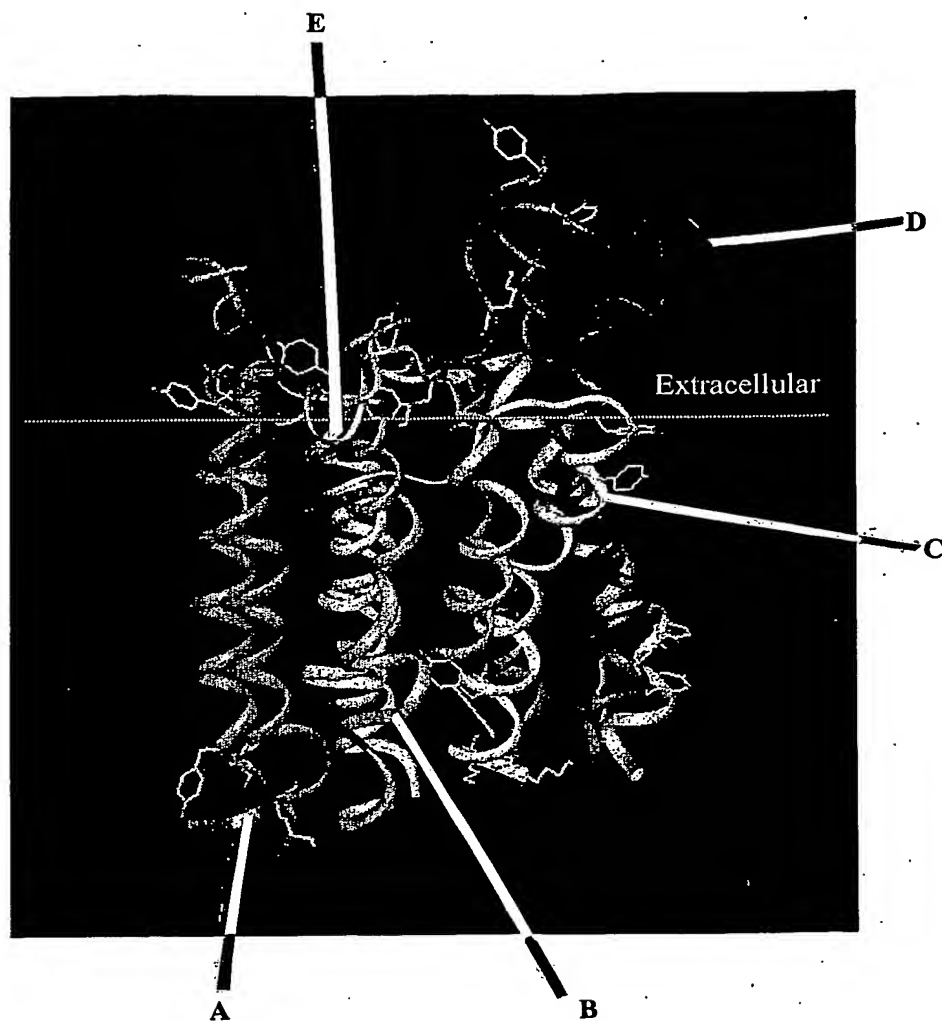
Serca 951 DPLPMIFKIKALDLTQWLMVLKISLPVIGLDEILKFIARNYLEDPEDERRK-

Sheep-Na, K 965 PGMGVALRMYPILKPTWWFCAPPYSLLIFVYDEVKLIIRRRPGGWVEKETYY

E

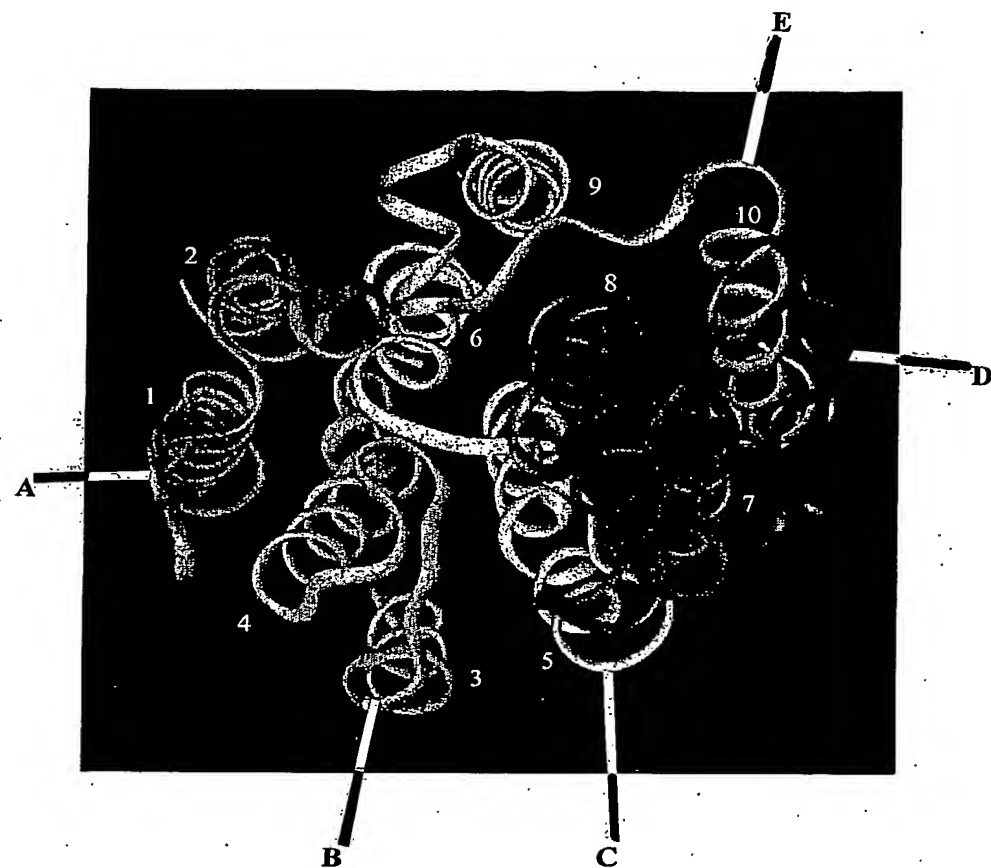
Figure 1

Figure 2A



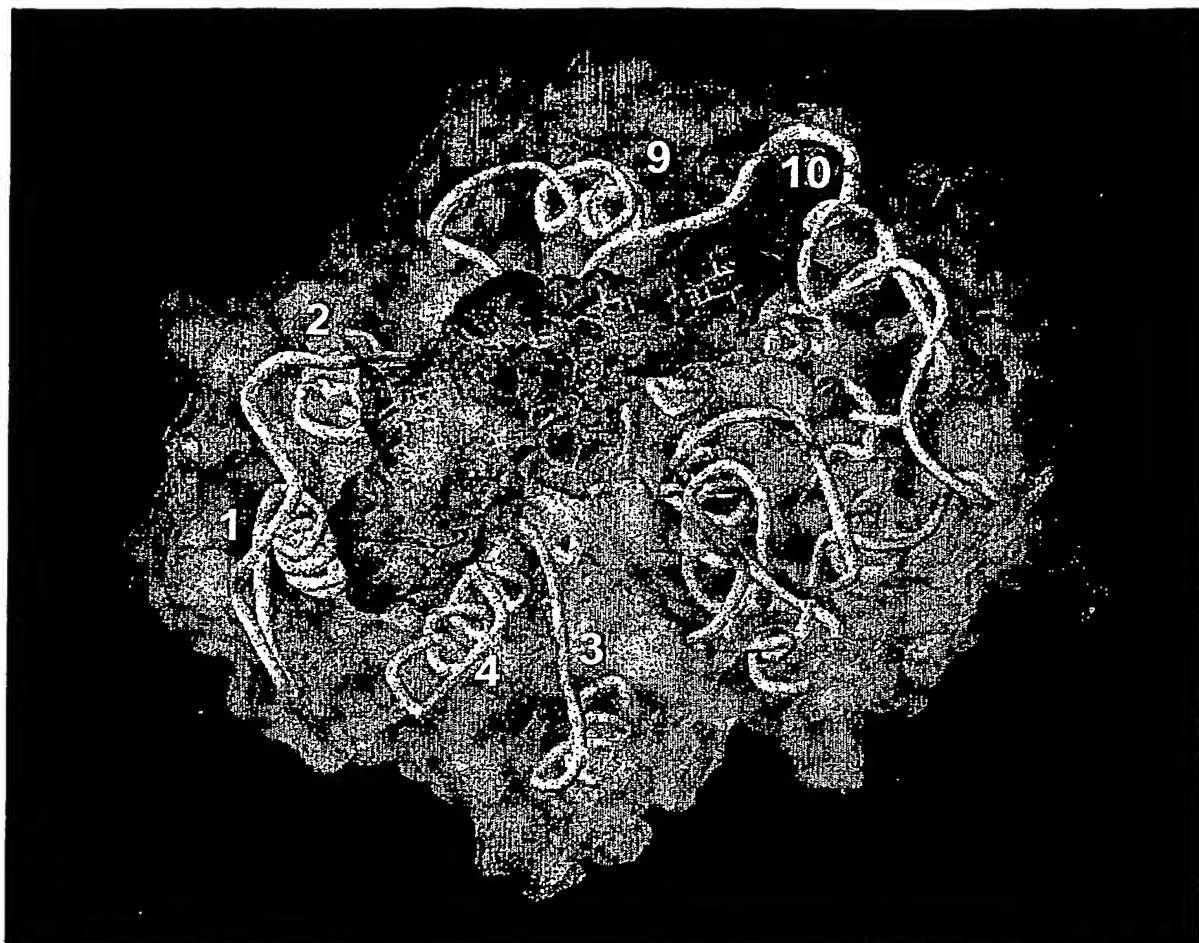
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Figure 2B



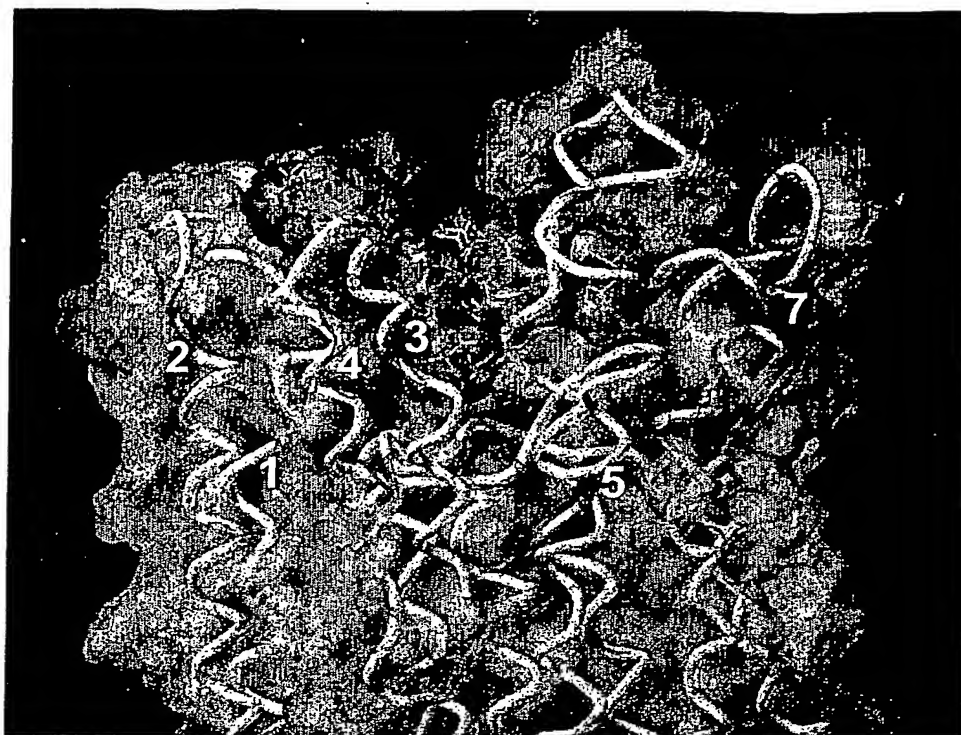
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Figure 3A



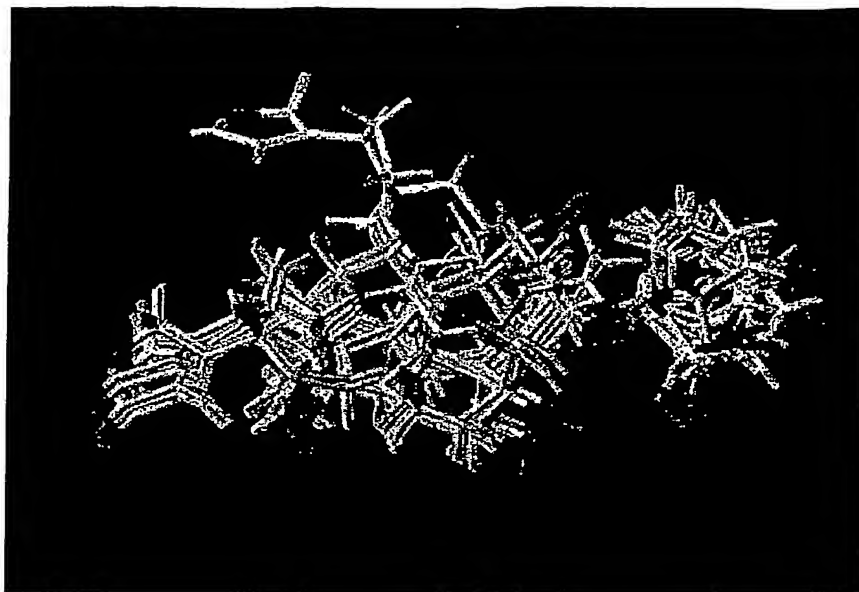
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Figure 3B



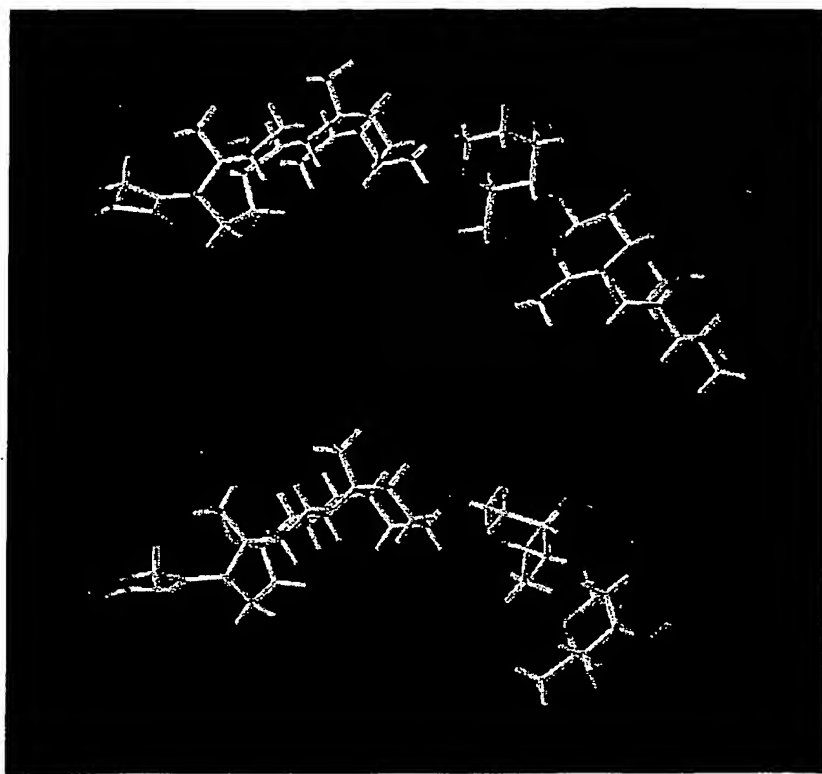
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Figure 3C



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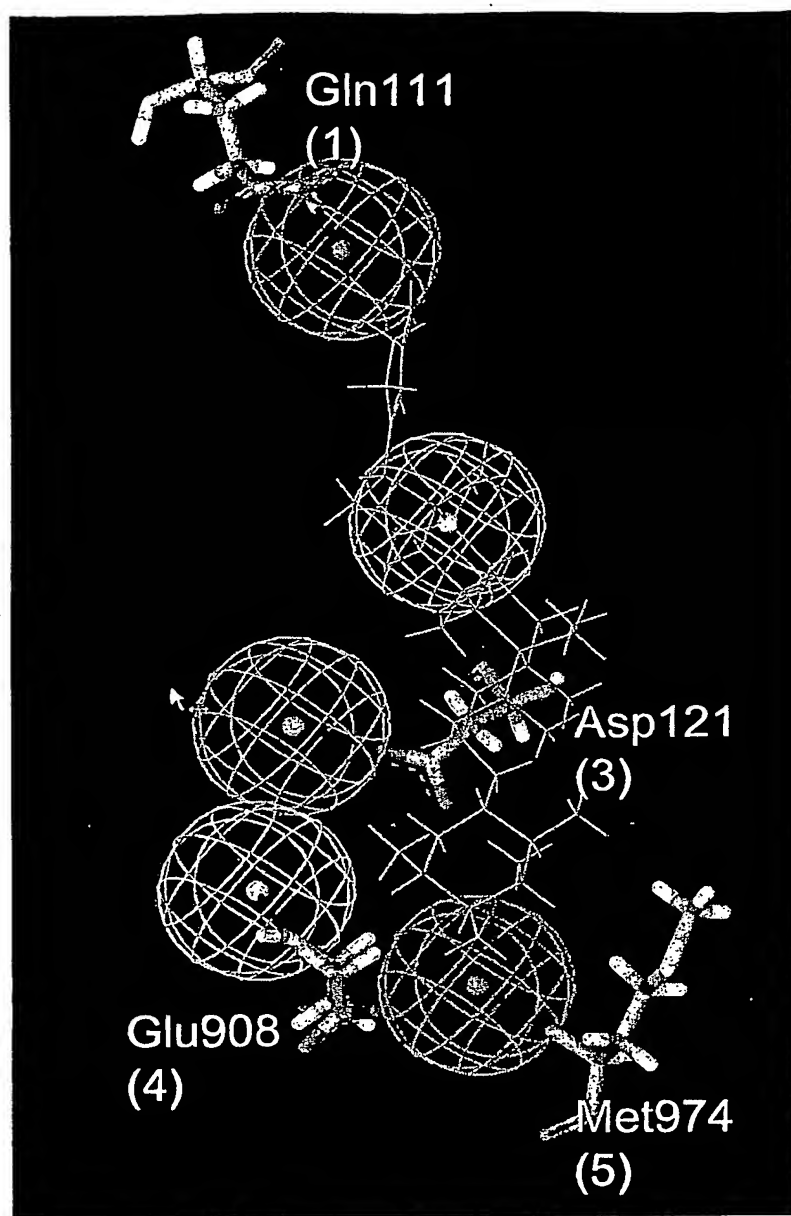
Figure 3D



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Figure 4



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